

**STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
LANDS AND RESTORATION SERVICES PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)**

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Powell
River System: Sol Duc	Date: 3/20/98
Site Identifier: S-0309	WRIA: 20.0309
River Mile Location: 0.08 mi (hip chained)	RB/LB: RB
Local Name: Cut Creek	Trib. to: Maxfield Cr (20.0308)
Legal Description: SW¼ Sec15 T29N R13W	County: Clallam
Habitat Type: Terrace tributary	
Landowner: () Federal (X) State () County () Other Government (X) Private - Washington Dept of Natural Resources - Rayonier Timber Operating Co.	

Directions to site:

Starting at Forks (Tillicum Park), drive north on Highway 101 for 5.3 miles (mp 197). Take a right on Maxfield Road and follow 0.65 mi to the logging road gate. A key to the gate can be obtained at the Rayonier Timber Office or DNR. Continue straight (crossing Shuwah Cr.) for 0.3 mi, there will be a road to the right with a gate (key can be obtained from the Rayonier Timber Office. Go through the gate and follow road ~0.5 mi, there will be a culvert crossing. This is the lower end of channel S-0309.

Site Overview:

The source of this channel is a narrow pond which flows through an open area that is mostly brush and a blown down RMZ of alders. It then flows through a mature conifer forest where there is favorable cover. The channel proceeds to drop in gradient down into a brushy channel with much of the RMZ blown down. The lower channel has been modified by Rayonier Timber. The original channel flowed out into an alluvial area amongst a stand of mature spruce. Stranded fish were observed when waters receded. The channel was rerouted in 1997, along an adjacent wall that already had some water that flowed into the lower section of the main channel. Water still braids in sections of the lower channel and fish stranding still appears to be a problem during low flows. This channel appears to have good rearing potential but shallow braiding in the lower channel and low flows appear to be the limiting factors. The lack of flushing flows may be the cause of a sediment buildup in the lower channel. This channel has been documented in the WRIA catalog and all referenced maps, as a tributary of Shuwah Creek.

Habitat Information:

Water source: Springs and surface runoff

Intermittent/year-around:
- Intermittent

Estimated flows (gpm): 40 - 70

Water temperatures: 8.5° C

Adjacent stream temperature: 8.0° C (20.0308)

Other water observations:

Site area measurements: ☐ Indirect ☒ Direct ☐ Combination

Widths: Channel- 1 m - 1.8 m Ponds- ~3 - 5 m Wetlands- NA

Depths: Channel- 5 cm - 25 cm Ponds- 0.5+m Wetlands- NA

Total length (includes ponds and wetlands): ~1955 m

Total existing habitat area (est.): 2860 m²

Spawning area: 0

Impounded area: ~200 m²

Other rearing area: 2660 m²

Spawning Habitat conditions: ☐ None ☒ Poor ☐ Fair ☐ Good ☐ Excellent

Describe spawning habitat:

- There are areas with gravel but there is large component of fine sediment.
- Low flows would limit the accessibility of adults to this channel.
- The spawning habitat is more conducive to resident trout.

Rearing habitat conditions: ☐ None ☐ Poor ☒ Fair ☐ Good ☐ Excellent

Describe pond and other rearing habitat:

Describe inaccessible habitat:

Describe wetland: ☐ Bog ☐ Marsh ☐ Scrub-shrub Wetland ☒ Forested Wetland

- The upper and lower reaches of this channel contain alder, skunk cabbage and water parsley.

Flooding potential: ☒ Low ☐ Medium ☐ High

Fish Information:

Site entry condition to (Maxfield Cr. 20.0308): ☐ Poor ☐ Fair ☒ Good

- The channel egresses into an eddy formed pool with cover provided by an overhanging bank.

Coho access and use:

Juvenile- ☐ Unknown ☐ None ☐ Poor ☒ Fair ☐ Good

Adult- ☒ Unknown ☐ None ☐ Poor ☐ Fair ☐ Good

- Coho juveniles have been observed in the lower channel on various occasions during the winter months.
- No coho juveniles were minnow trapped in the mid and upper reaches.

Other species access and use: ☐ Chum ☐ Pink ☐ Sockeye ☐ Chinook ☒ Trout

- Numerous resident trout were observed during the survey in the forested mid reach.
- Cutthroat were minnow trapped in the upper reach, below the pond.

Habitat Improvements:

Enhancement opportunities:

- Deepen channel where it was rerouted in the lower reach.

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

<input checked="" type="checkbox"/> Aerials	<input checked="" type="checkbox"/> Sketch	<input checked="" type="checkbox"/> Maps	<input checked="" type="checkbox"/> Culvert Report
<input type="checkbox"/> Other references	<input type="checkbox"/> Spawning surveys	<input checked="" type="checkbox"/> Juvenile trapping	<input type="checkbox"/> Fishway Report

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Sol Duc

Site No.: S-0309

Site Name: Cut Creek

WRIA: 20.0309

DATE: 3-6-98

OBSERVER: Powell

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						TROUT			
						RBT	CUTT	0+	
1	3/5	4.5°C	3/6	4.5°C	0	0	1	0	0
2	3/5	4.5°C	3/6	4.5°C	0	0	0	0	0
3	3/5	4.5°C	3/6	4.5°C	0	0	4	0	0
4	3/5	4.5°C	3/6	4.5°C	0	0	1	0	0
TOTALS:					0	0	6	0	0

COMMENTS:

- Trap #1 was placed ~ 15 feet upstream of second upstream culvert (mid-upper end).
- Trap #2 was placed ~ 50 feet downstream of second upstream culvert.
- Trap #3 was placed in the upper end of system.
- Trap #4 was placed ~ 5 feet upstream of trap #3.

DATE: 6-4-98

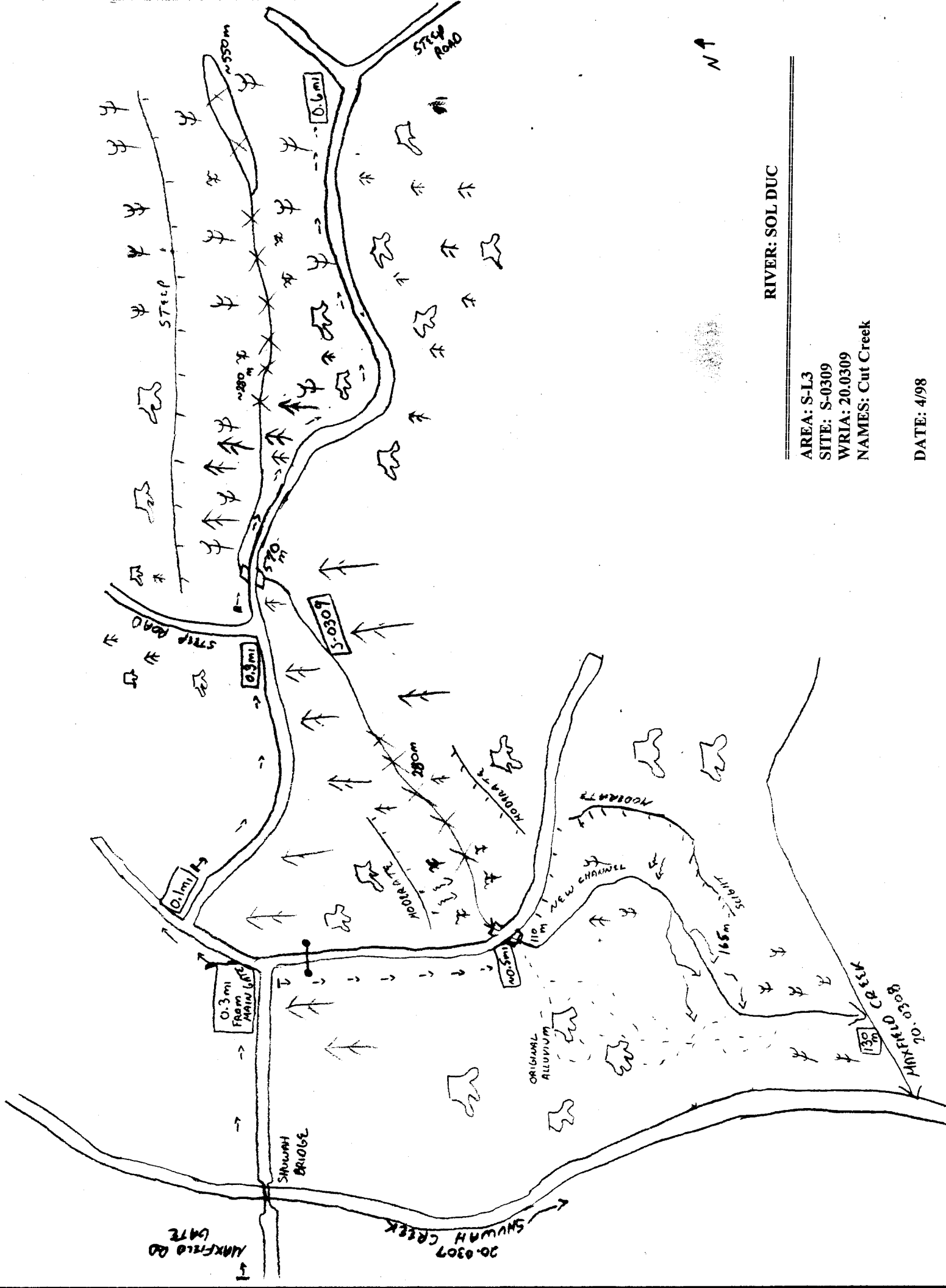
OBSERVER: Powell

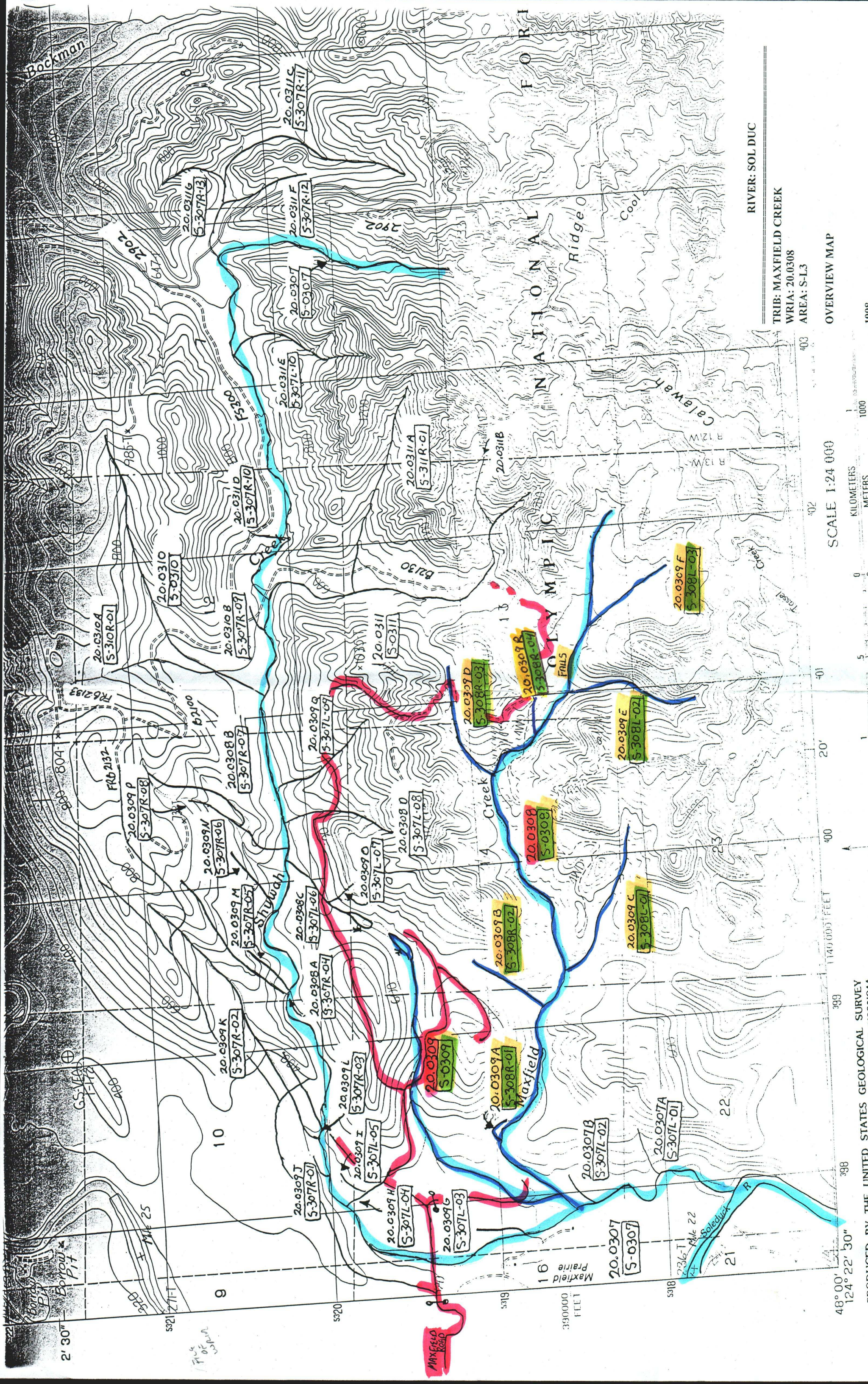
Lower reach culvert has a trickle of water through it. Channel upstream and downstream of the culvert is dry. Upper reach culvert has \leq 50 gpm flowing through it.

DATE: 8-20-98

OBSERVER: Powell

There is no flow through either culvert. There are some pockets of water in various parts of the channel. There is water in the upper reach pond.





RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

